

In re Patent Application of:
HWANG
Serial No. 10/567,807
Filing Date: FEBRUARY 8, 2006

In the Claims:

This listing of claims replaces all prior versions and listing of claims in the application.

1. (Canceled).

2. (Canceled).

3. (Previously Presented) An automatic control energy-saving lamp device comprising a plurality of lamps and a socket body having the lamps fixed to one side of the body and having a screw formed to the other side of the body, the device comprising:

an illumination sensor formed on the socket body for sensing a surrounding illumination;

a timer for controlling a lighting time of the lamps;

an infrared sensor mounted to one side of the lamps for sensing movement of a human; and

a lighting control circuit formed in the socket body, and controlling the lamps to be turned on/off according to output signals of the illumination sensor, the timer and the infrared sensor;

a base having the plurality of lamps fixed to one side of the base and having a combination unit formed on the other side of the base; and

a combination groove formed in the socket body to detachably combine with the combination unit.

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4. (Cancelled).

5. (Previously Presented) The automatic control energy-saving lamp device according to claim 3, further comprising a sensor support with a predetermined length; and high-illumination reflection shades surrounding the sensor support and coated by deposition of silver or aluminum, among the plurality of lamps.

6. (Previously Presented) The automatic control energy-saving lamp device according to claim 5, wherein the infrared sensor is mounted on an end of the sensor support.

7. (Previously Presented) The automatic control energy-saving lamp device according to claim 6, further comprising a detachable lamp cover made of plastic or glass.

8. (Previously Presented) The automatic control energy-saving lamp device according to claim 7, wherein the infrared sensor protrudes outwardly through the center of the lamp cover.

9. (Previously Presented) The automatic control energy-saving lamp device according to claim 3, wherein the illumination sensor is buried in the socket body as much as a predetermined depth in order not to receive a direct ray of light from the lamps.

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10. (Previously Presented) The automatic control energy-saving lamp device according to claim 9, wherein the predetermined depth is 5mm.

11. (Previously Presented) The automatic control energy-saving lamp device according to claim 3, wherein a number of the plurality of lamps is two to four.

12. (Previously Presented) The automatic control energy-saving lamp device according to claim 11, wherein the lamps are vacuum bulbs coated with a 3-wave lamp fluorescent material.

13. (Previously Presented) The automatic control energy-saving lamp device according to claim 3, wherein the lamps are U-shaped or I-shaped lamps.

14. (Currently Amended) An automatic control energy-saving lamp device comprising a plurality of lamps and a socket body having the lamps fixed to one side of the body and having a screw formed to the other side of the body, the device comprising:

an illumination sensor formed on the socket body for sensing a surrounding illumination;

a timer for controlling a lighting time of the lamps;

an infrared sensor mounted to one side of the lamps for sensing movement of a human;

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a lighting control circuit formed in the socket body, and controlling the lamps to be turned on/off according to output signals of the illumination sensor, the timer and the infrared sensor; and

a sensor support extending in the longitudinal direction of the lamp and having with a predetermined length, the infrared sensor being disposed at one end of the sensor support; and

~~high-illumination reflection shades surrounding the sensor support and coated by deposition of silver or aluminum, among the plurality of lamps.~~

15. (Cancelled).

16. (New) An automatic control energy-saving lamp device according to Claim 14, further including high-illumination reflection shades surrounding the sensor support and coated by deposition of silver or aluminum, among the plurality of lamps.